

# GEOTECHNICAL ENGINEERING AGENDA

Infrastructure Conference, Reno, NV

## Monday, 13 August 2001

Geotechnical Engineering Branch Chiefs' meeting at Room N10 from 2 :30 PM to 5:00 PM

Registration - 9:00 AM to 8:00 PM

Ice Breaker in Vendor Exhibit Area 5:00 PM to 8:00 PM

## Tuesday, 14 August 2001

**PLENARY SESSION** Tuesday, 14 August, 0800 -1130 Main Conference Room

TIME		Room N10		Room N9		Room N8	
Topic/ Moderator		Dam Raising, Risk Analysis, Value Engineering, and Engineering Applications	Chang (HQ)	Seepage, and Seepage Control	Young (MVD)		
1	1:00 PM	Raising Embankment Crest Elevations	Wise (SWF)	A New Approach to Control Long Term Seepage Condition at Waterbury Dam	Rodriguez (NAD)	Room N8 to be used by Structure Engineering , from 1:00 PM to 5:00 PM, 14 Aug 01	
2	1:30 PM	Risk Analysis for Seepage, Slope Stability	Munger (NWD)	CUP-McCook Reservoir - Large Scale Grout Test	Rochford(L RC)		
3	2:00 PM	Mc Alpine Soil Nail Wall-A lesson in Value engineering	Schaefer; Kiefer (LRL)	Seepage control Using a French Drain Collection System and a Mitigation Agreement Between the Corps and the Orchard Owner	Brownell (NWS)		
4	2:30 PM	Innovative Lock Design Produces Geotechnical Challenges	Nield (LRH)	Cumulative Effects of Flood Induced Seepage on Piping Problems Associated with Levee Failure	Sills (NVK)		
	3:00 PM	Vendor Exhibits and Break					
5	4:00 PM	Impacts of a Permit Violation: Evaluation of the Rio Hondo Levee	Chitwood (SPL)	Chemical Grout Repair - Bayou Darrow Gravity Drainage Structure - Boyce, Louisiana	Woerner (MVK)		
6	4:30 PM	Large Scale Karst in the Left Rim of the Center Hill Dam	Stanton (LRN)	Deep Soil Mix Wall for Seepage at the Lewiston Levee	Gibbons (NWW)		
7	5:00 PM	Reducing Environmental Impacts without Sacrificing under Seepage Control along the Mississippi River Levees	Mendrop (MVK)	Contribution to Seepage and Piping Analyses of Herbert Hoover Dike	Al-Hussaini (LRD)		
	5:30 PM	Vendor Exhibits (5:30 to 6:30)					

## Wednesday, 15 August 2001

Time	Room N10		Room N9		Room N8	
Topic/ Moderator	Remediation, and Rehabilitation	Munger (NWD)	Stabilization, and Environmental Application	Klaus (MVK)	Pile Test Study and Directional Drilling	Arnold (SWL)
7:00 AM	<b>Vendor Exhibits</b>					
1 7:45 AM	Mississinewa Dam Settlement Investigation and Remediation	Henn (LRL)	Shelby Bottoms Riverbank Stabilization Using Bioengineering	Carr (LRN)	Harvey Canal Sector Gate Pile Test Study	Varuso; Oliphant; Dressler (MVN)
2 8:15 AM	Patoka Lake Seepage Remediation	Flaherty; Hornbeck (LRL)	Natchez Bluff Stabilization	Sills (NVK)	Predicting Pile Capacities - A case History	Fornek (LRC)
3 8:45 AM	Daguerre Point Debris Dam Drain Rehabilitation -A case history	McCune (SPK)	Slope Stability Evaluation of an Existing Dam -Oahe Dam	Worden (NWO)	Drilled Pier Approach Wall - Olmsted Lock and Dam	O'Neal; Schaefer (LRL)
9:15 AM	<b>Vendor Exhibits and Break</b>					
4 10:00 AM	Dam Safety Major Rehabilitation, Methodology & Procedure - Oahe Dam	Worden; Kelly (NWO)	Modern Rock Anchors in an Ancient Egyptian Excavation	Wakeley; Warriner (ERDC)	1000-Ton Pile Load Test	Smith (SAJ)
5 10:30 AM	Unstable Deep Canal Cut in Fat Clay - A Case History of Investigation, Analysis, and Evaluation of Alternative Remedial Solutions	Gemperline (BOR)	Reinforced Earth with Tensar Used for Riverbanks Stabilization	Perlea (NWK)	Comparison of H-Pile Capacity from Static Load Tests, and Quasi-Dynamic Testing using Pile Driving Analyzer (PDA) on the Montgomery Point L&D Project	Arnold (SWL)
6 11:00 AM	Cerro Grande Fire Recovery Measures, Los Alamos, NM	Lillard (SPA)	Landfill cover Design Procedures for Broken Back Slopes	Butler (HTRW CX)	Directional Drilling Under Levees - St Louis District Experience	Conroy (MVS)
11:30 AM	<b>Vendor Exhibits and Lunch</b>					

Topic/ Moderator	Design and Construction	Roodsari (SPL)	Seismic Engineering	Yule (ERDC)		
7	1:00 PM	Influenced Zone of a Braced Excavation Site -The Southeast Louisiana Drainage Project	Montz; Oliphant; Grieshaber (MVN)	Geotechnical Characterization of Success Dam-For a Dam Safety Earthquake Engineering Evaluation	Hess (SPK)	Room N8 to be used by Materials Engineering from 1:00 PM, 15 Aug 01 to 11:30 AM, 16 Aug 01
8	1:30 PM	McAlpine Lock Replacement Cofferdam Construction	Kiefer (LRL)	Effective Seismic Design	Hempen (MVS)	
9	2:00 PM	Foundation Design and Construction considerations at Seven Oak Dam	Rathbun (SPL)	Post Earthquake Residual Shear Strength of Liquefiable Cohesive Soils	Stacy; Forrest; Klaus (MVK)	
	2:30 PM	<b>Vendor Exhibits and Break</b>				
10	3:15PM	Drainage for Dams and Associated Structures	Fiedler (BOR)	Ground Motion Generation	Hynes (ERDC)	
11	3:45 PM	Considerations for Deep, PVC Monitoring Well installations	Nardin (NWO)	Deformation Analysis of Liquefiable Embankments	Sharp ; Korhan (ERDC)	
12	4:15 PM	Controlled Rock Excavation for the Table Rock Dam Auxiliary Gated Spillway	Harris (SWL)	Seismic Instrumentation and Analysis of Recent Earthquake Records	Walker (SPL)	
13	4:45 PM	Engineering Geology and Foundation Design for the Braddock Dam In-The Wet Construction Project	Greene; Smyers (LRP)	Seismic Characterization of the Karst Bedrock Surface in the Southeast Industrial Area Anniston Army Depot Al.	Mandell (USAEC)	
	5:15 PM	<b>Vendor Exhibits (5:15 to 6:15)</b>				

## Thursday, 16 August 2001

Time	Room N10		Room N9		Room N8	
Topic/ Moderator	Investigation	Klosterman (HQ)	Airfield Pavements	Hughes (HQ)		
	7:00 AM	<b>Vendor Exhibits</b>				
1	8:00 AM	Ground Subsidence Adjacent to Hiawatha CSO Regional Facility	Kolber; Tellinghuisen (LRB)	ASR Mitigation	Guitterez (SPA)	
2	8:30 AM	Investigation of An Active Landslide in Fruitgrowers Dam	MacDonald (BOR)	Design-Build for Airfields	Sherman (TSMCX)	
3	9:00 AM	Documenting Groundwater Conditions and Slope Movements in Lake Agassiz Clay	Behling; Riddick; Nelson (MVP)	CEGS/UFGS 02753/02749	Sherman (TSMCX)	
	9:30 AM	<b>Break</b>				
4	10:00 AM	Groundwater Investigations Using the Rotasonic Drilling method and Discrete Groundwater Sampling for Establishing the Limits of a Contaminant Plume	Payne (SAM)	TSMCX Design and Construction Services for Airfield Pavements	Sherman (TSMCX)	
5	10:30 AM	What makes a landslide? Rapid Reconnaissance of Geotechnical Failures	Olsen; Smith (ERDC)	TSMCX Design and Construction Services for Airfield Pavements	Sherman (TSMCX)	
6	11:00 AM	Geophysics to Reduce Uncertainty: Ships, Subsurface Seepage, and Site Assessment	Llopis; Dunbar (ERDC)	QC/QA for Airfield Construction	Hess/SPK; Guitterez/ (SPA); Hawkins CENWO	
7	11:30 AM	Large-Diameter, Visible-Core Undisturbed Soil Sampling with Hollow-Stem Augers	Farrar (BOR)	QC/QA for Airfield Construction	Hess/SPK; Guitterez/ (SPA); Hawkins	
	12:00 PM	<b>END OF CONFERENCE</b>				

## Thursday, 16 August 2001

Time	Room N1				
Topic/ Moderator	Workshop	Rydeen (MVP)			
8	1:30 PM	The Corps MSE (Mechanically	Schwanz/		

		Stabilized Earth) Wall Criteria	(MVP);				
9	2:00 PM	(This workshop is scheduled from	Berg/				
10	2:30 PM	1:30 PM to 5:00 PM)	Berg& Asso;				
		<b>See the separate agenda for detail</b>					
	3:00 PM	<b>Break</b>					
11	3:30 PM	The Corps MSE Wall Criteria					
12	4:00 PM	(continues)					
13	4:30 PM						
14	5:00 PM						